

FIG. 1 (Prior Art)

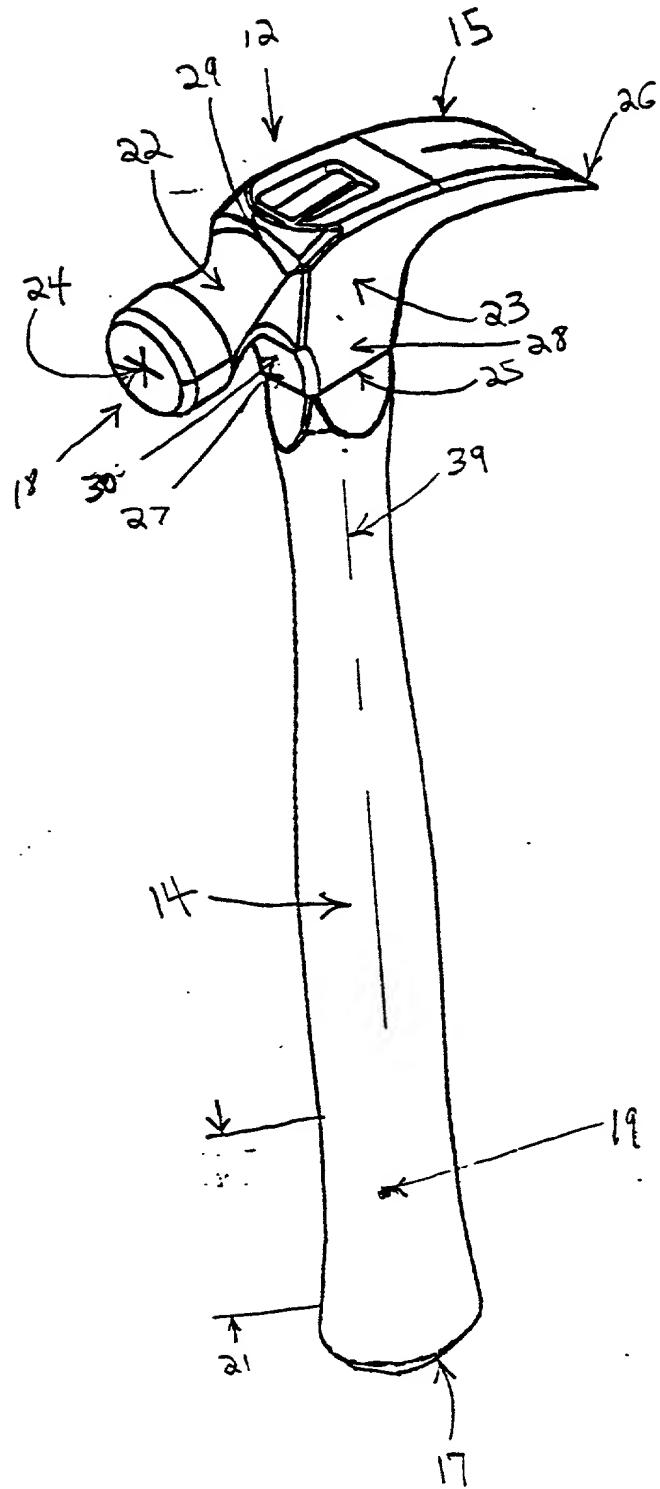


FIG. 2

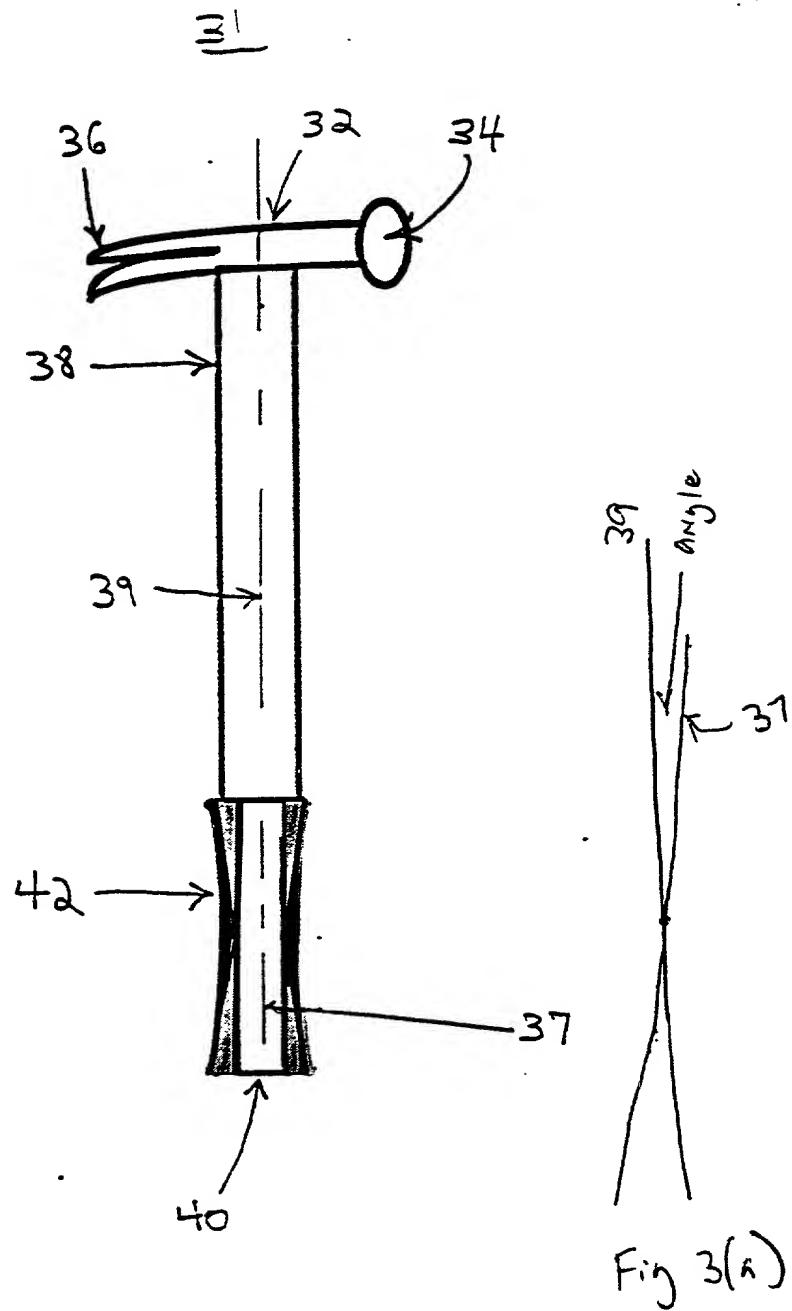


FIG.3

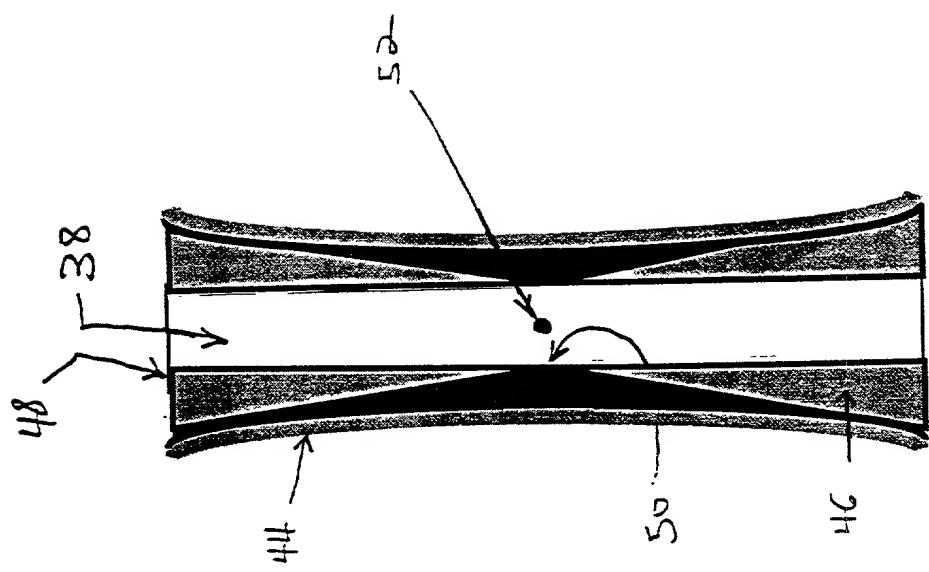


FIG. 4

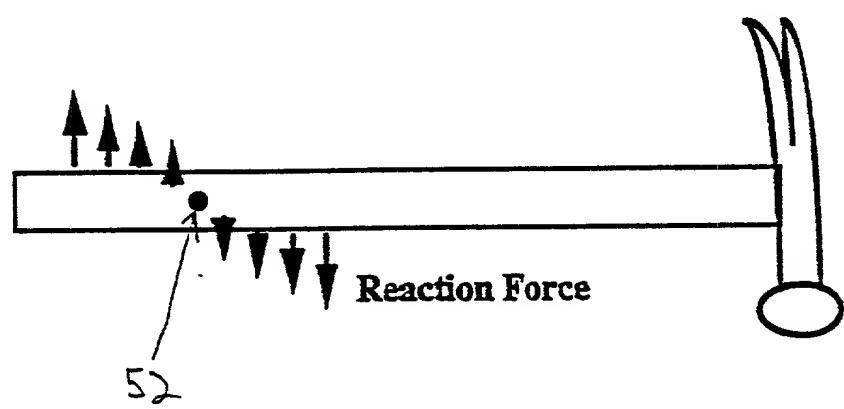


FIG. 5

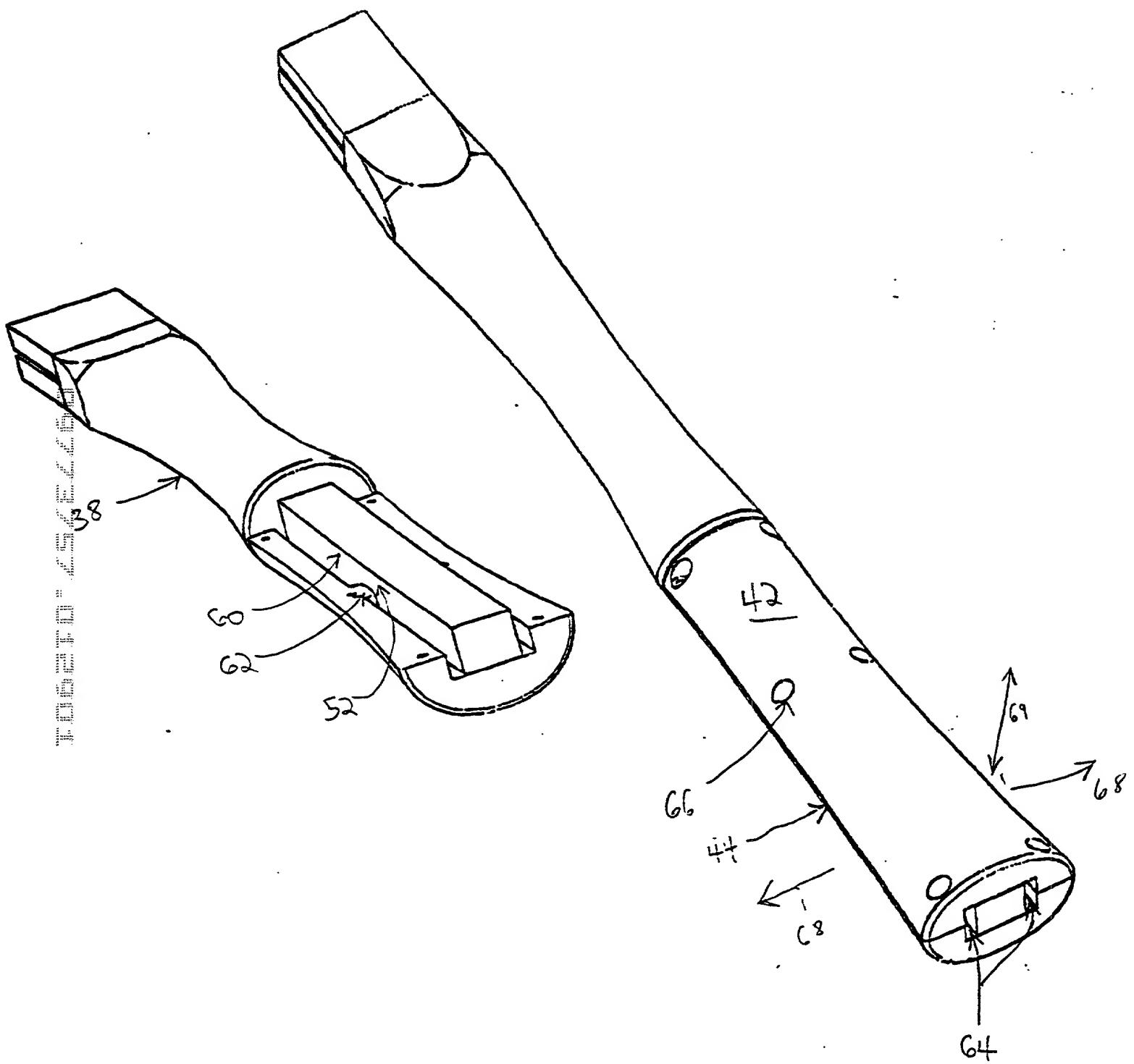


FIG. 6

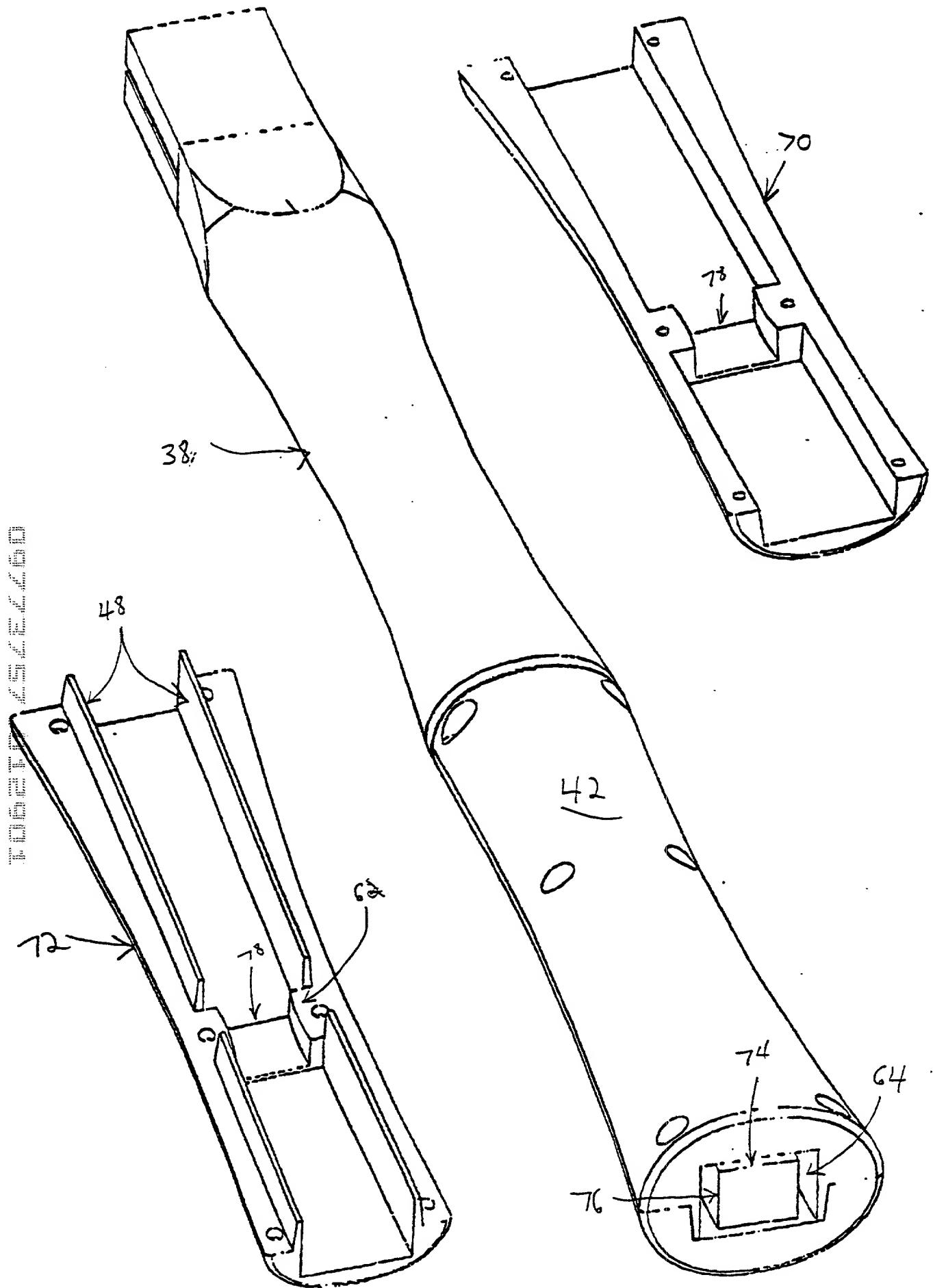


FIG. 7

Model of Force Trace on Oscilloscope

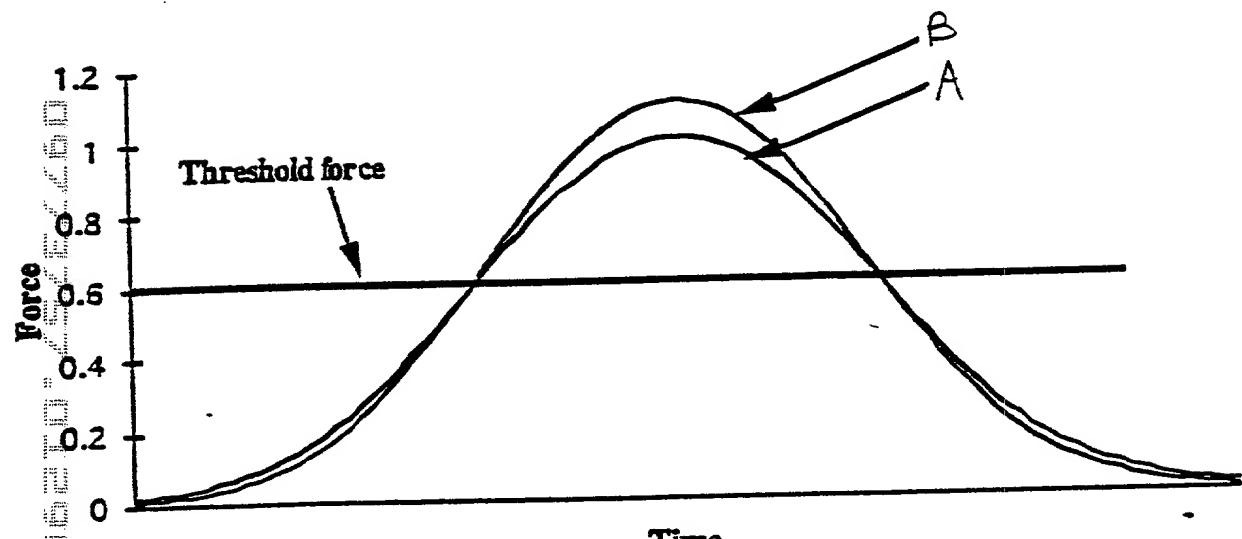


FIG. 8

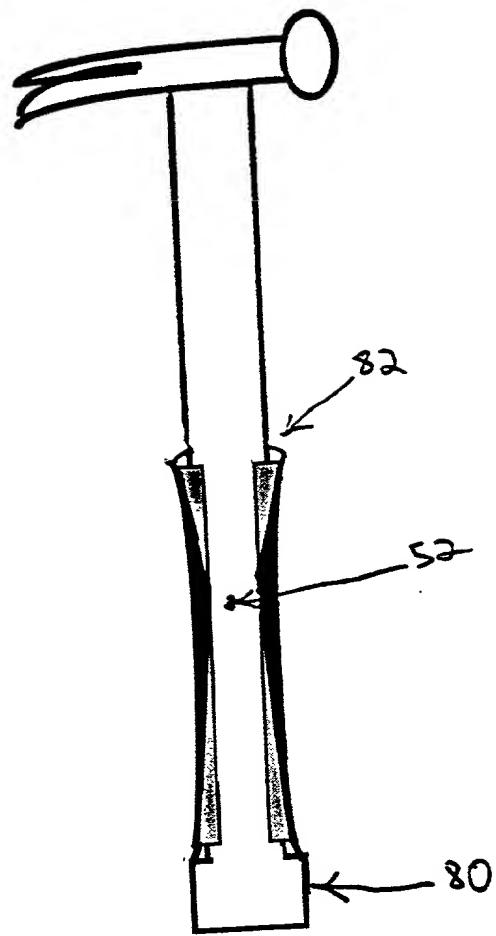


FIG 1

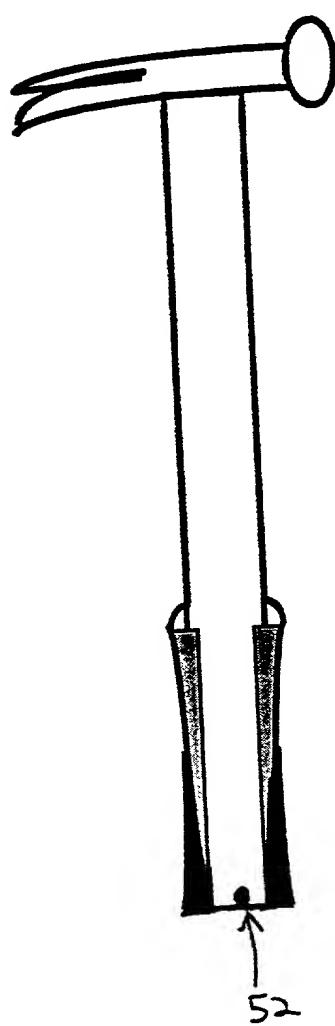
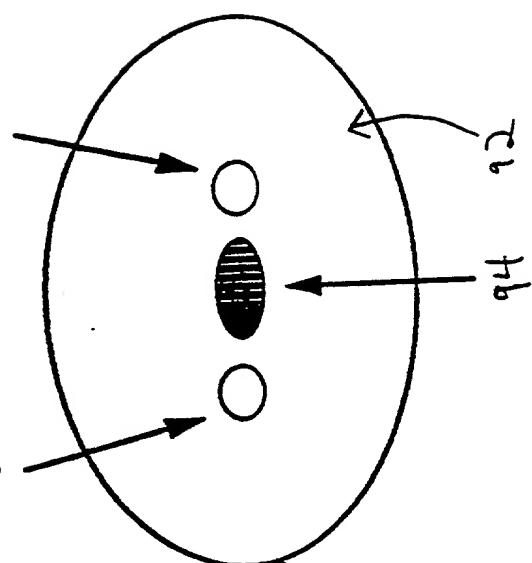


FIG. 10

108



106 107 108 109 100 101 102 103 104 105

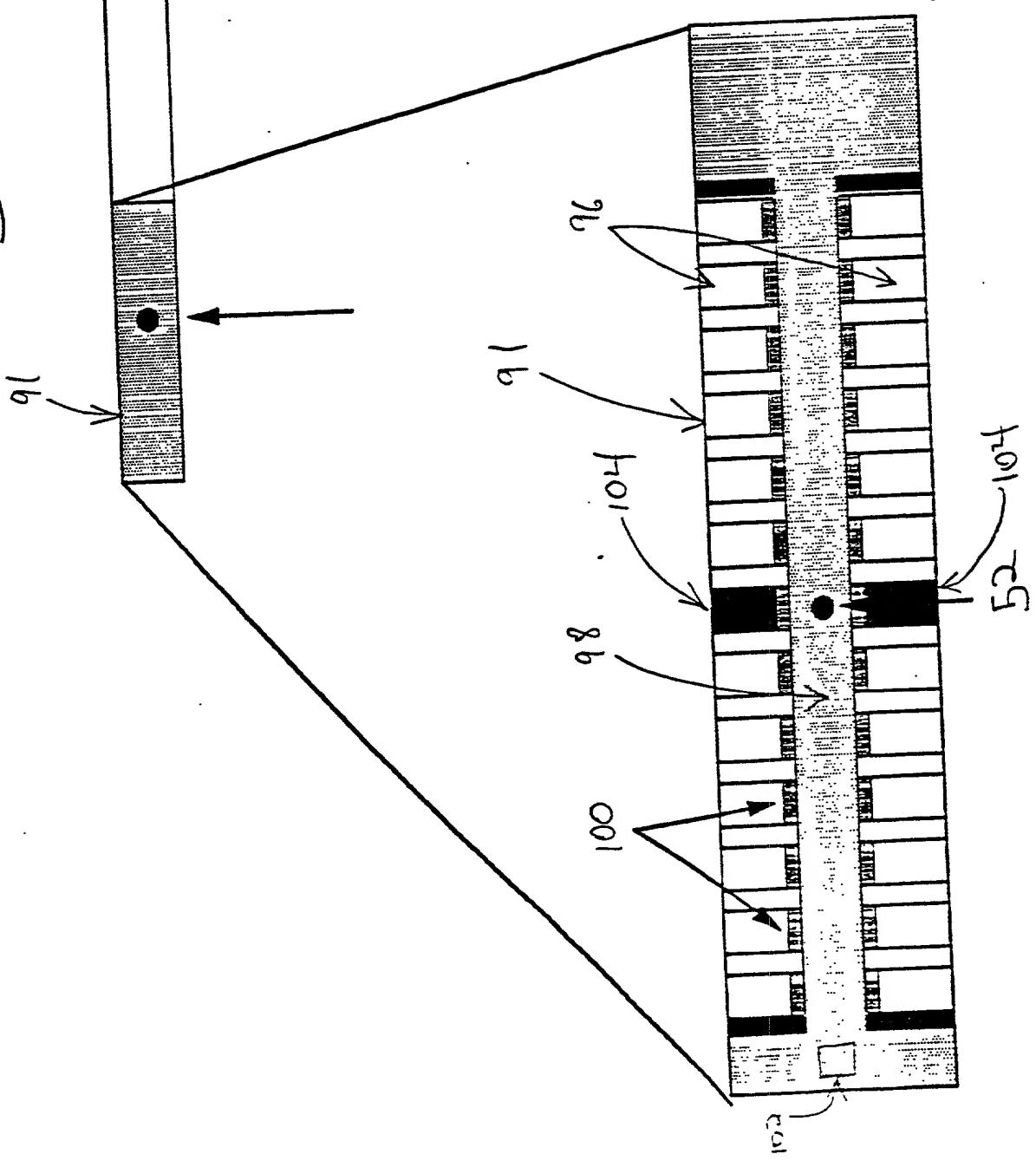
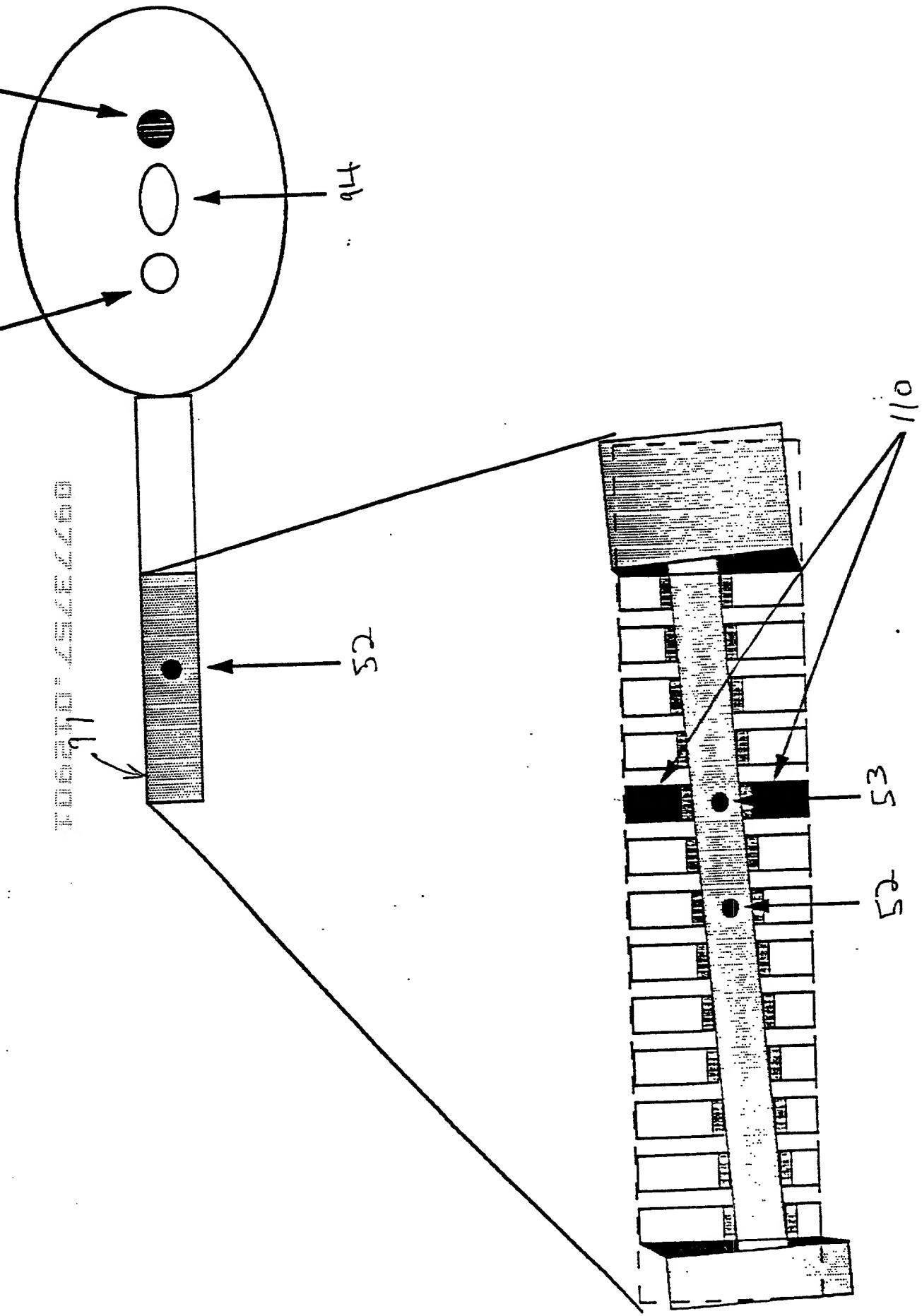


FIG. 11



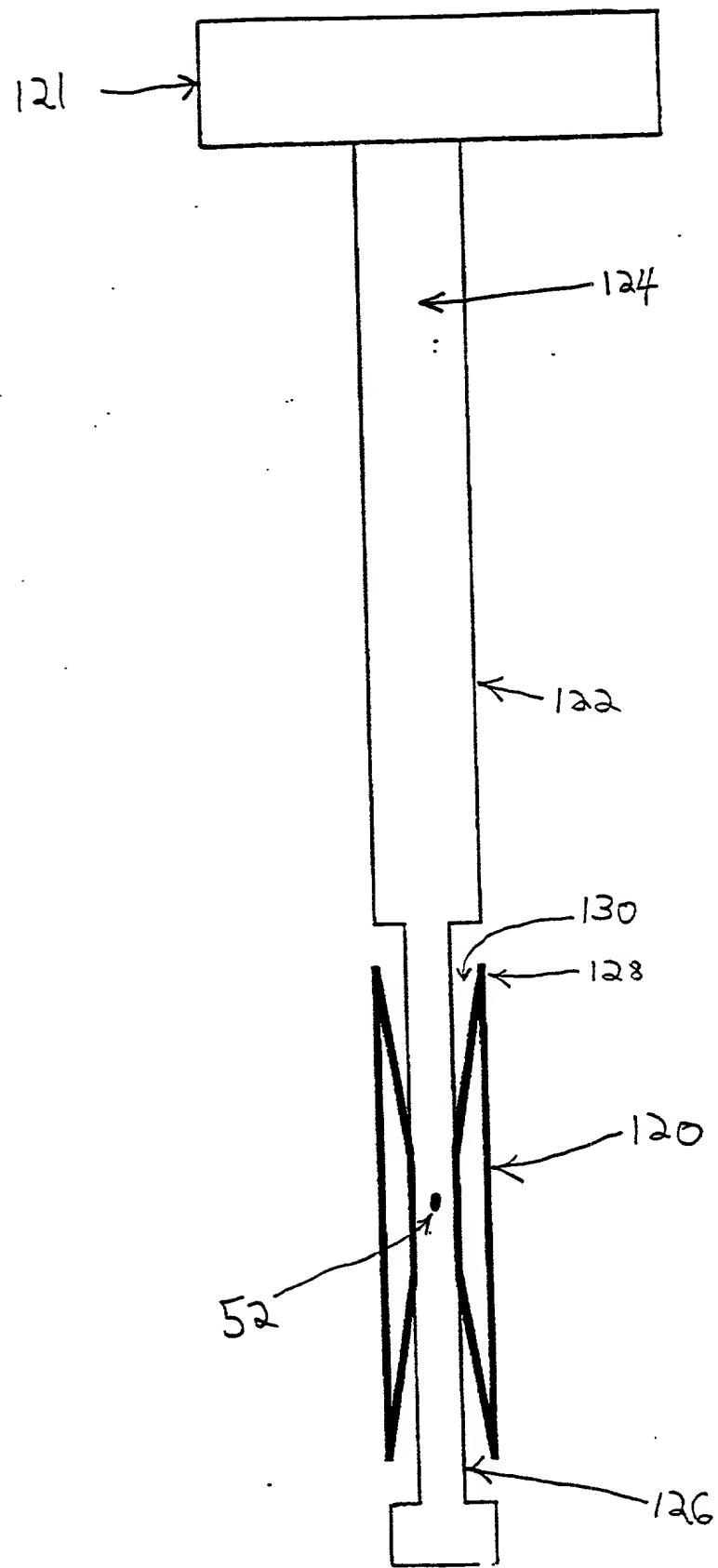


FIG. 13

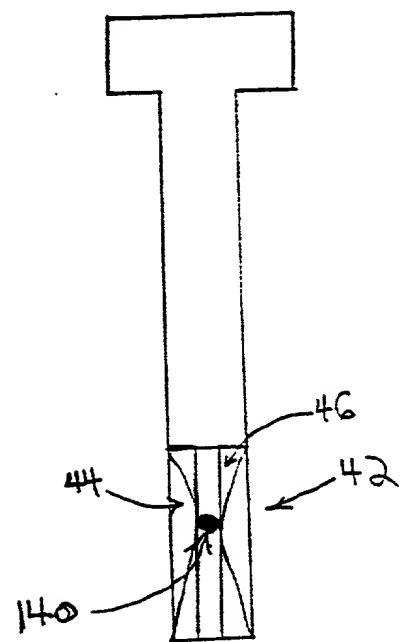


FIG. 14

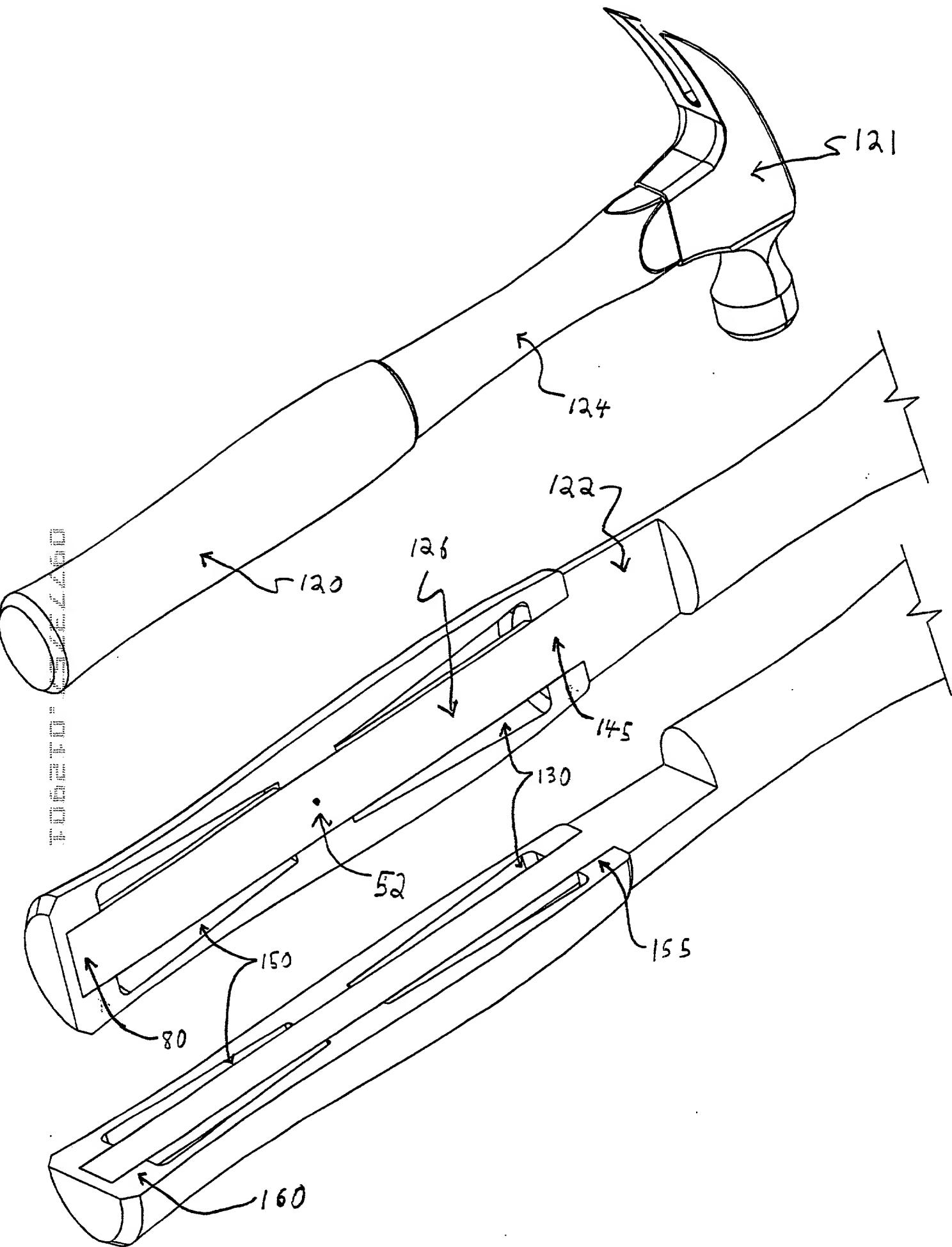


Fig. 15.

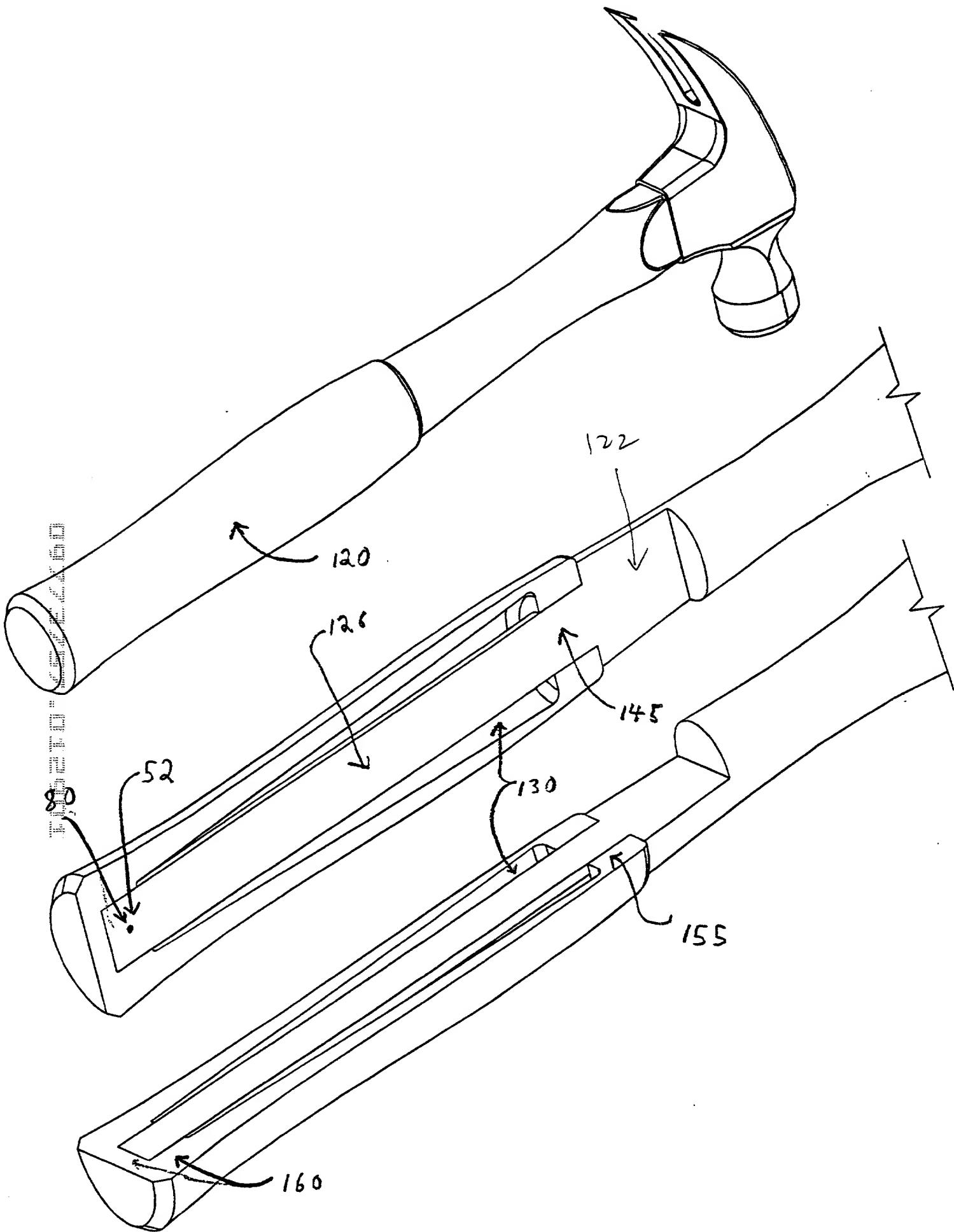


Fig 16.

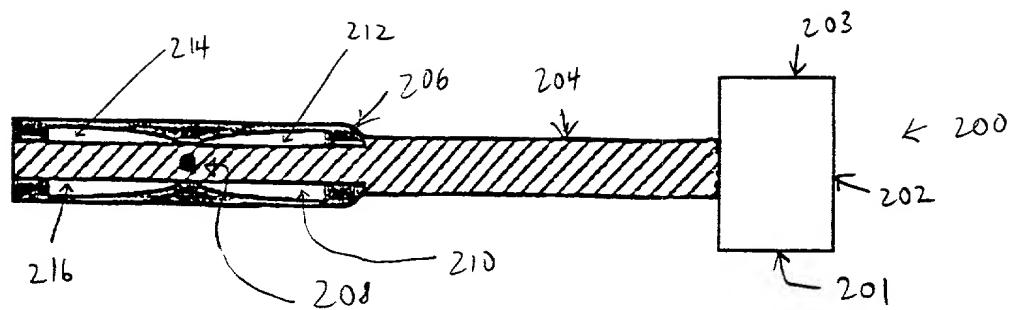


FIG. 17

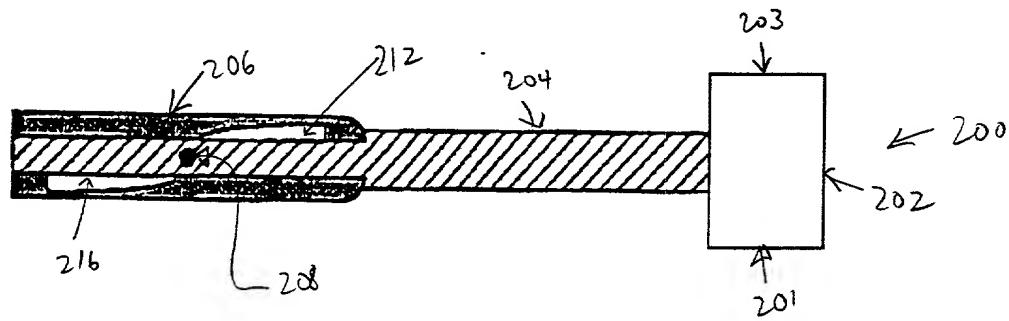


FIG. 18

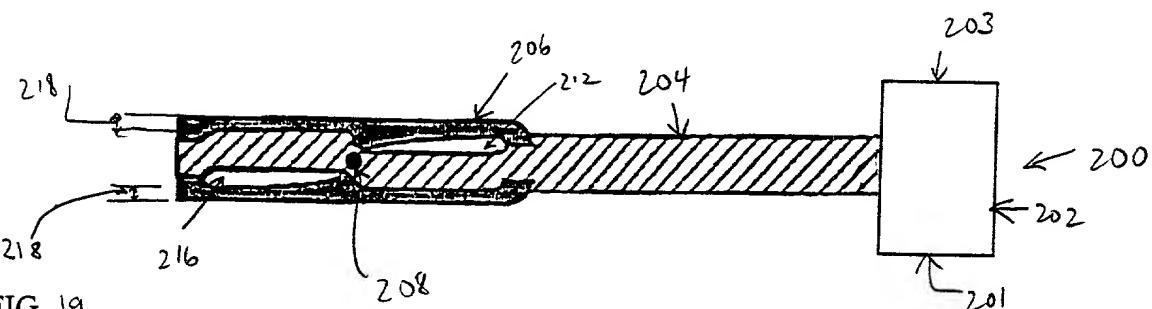


FIG. 19

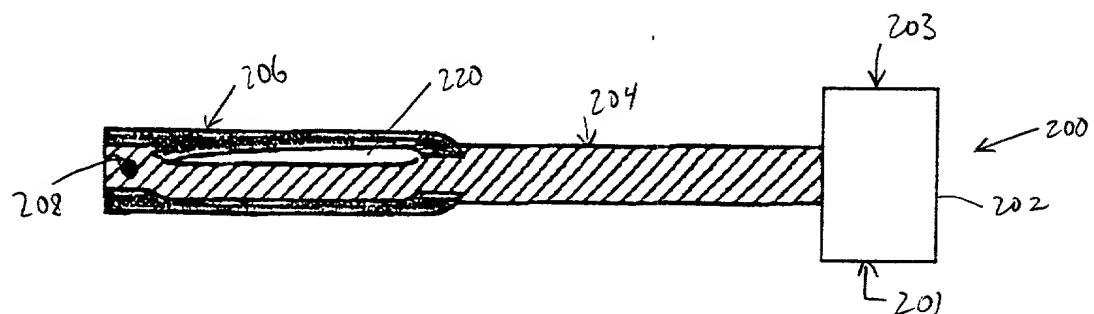


FIG. 20

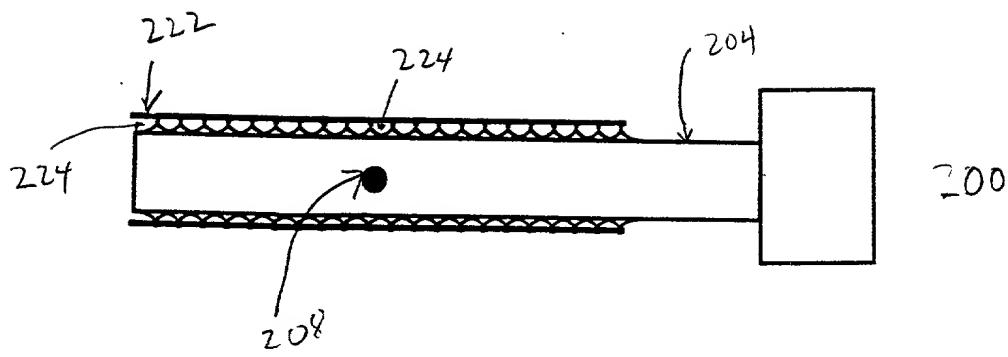


Fig. 21